A2. Report Forms
L-42
VERSION ***20020412***

CONDUCTED FOR

	V = VALID
	I = INVALID
	N = RESULTS CANNOT BE INTERPRETED (Refer To Comment Section)

Test Number			
Test Stand:		Stand Run Number:	
Date Completed:		EOT Time:	
Oil Code[A]:			
Formulation/Stand Code:			
Alternate Codes:			
Test Version[B]:			

In my opinion this test been conducted in a valid manner in accordance with the STP 512A ASTM Test Method and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

[A] CMIR or Non-Reference Oil Code
[B] Standard or Canadian

SUBMITTED BY: _____
Testing Laboratory

_____
Signature

_____
Typed Name

_____
Title

_____
Section

Fig. A2.1 TEST REPORT COVER

L-42

FORM 1

TEST RESULT SUMMARY

TEST LAB
TEST STAND NO.

TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	OIL CODE NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
							EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4

Information Letters Number:

Formulation / Stand Code:

STAND REFERENCE OIL TEST HISTORY IN CHRONOLOGICAL ORDER

	TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	CMIR NO.	TMC OIL NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
									EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4
[A] Discrimination													
[B] Calibration Sequence Passing Tests Only													
				AVERAGE FOR PASSING REFERENCE OIL TESTS									

[A] Only for non-reference tests.

[B] For non-reference and discrimination tests only.

Fig. A2.2 TEST RESULT SUMMARY

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FORM 2

OPERATIONAL SUMMARY

LAB	STAND NO.
OIL CODE	STAND RUN NO.

GENERAL OPERATION CONDITIONS

1. GEAR LOADING DATA

		SEQUENCE 2		SEQUENCE 4	
		Torques lbf-ft	Cycle Time Second	Torques lbf-ft	Cycle Time Second
Drive Side	Maximum				
	Minimum				
	Average				
Coast Side	Maximum				
	Minimum				
	Average				

2. LUBRICANT TEMPERATURE DATA

Phase	Specification	Average Value	Minimum Value	Maximum Value
Sequence 1*	225 ± 5 ºF			

	Starting		Maximum Value
	Specification	Value	
Sequence 2	200 ± 5 ºF		
Sequence 4	< 280 ºF		

* Values after reaching 225 ºF

3. TEST AXLE DATA

a. Backlash	Maximum	Minimum	Average
Initial (in.)			
Final (in.)			
Increase (in.)			

b. Initial Pinion Torque (lbf -in)	Break	Turn

RATING DATE _____ RATER INITIALS _____

Fig. A2.3 OPERATIONAL SUMMARY

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FORM 3

MEASUREMENT SUMMARY

LAB	STAND NO.
OIL CODE	STAND RUN NO.

AXLE CODES

ASSEMBLY DATE	MATCH NO.	PINION BATCH	RING BATCH

MEASUREMENTS

DRIVE SIDE CONTACT PATTERN (Length Rating)				COAST SIDE CONTACT PATTERN (Length Rating)			
As Received		As Tested		As Received		As Tested	
DRIVE SIDE CONTACT PATTERN (Flank Rating)				COAST SIDE CONTACT PATTERN (Flank Rating)			
As Received		As Tested		As Received		As Tested	
OPERATOR INIT				OPERATOR INIT			
INITIAL BACKLASH (in.)							
FINAL BACKLASH (in.)							

TEST CONDITIONS

BREAK-IN PROCEDURES DESIGNATION				
	Sequence 2	Unit of Measure	Sequence 4	Unit of Measure
Acceleration Rate				
Deceleration Rate				

INSPECTIONS

	RING % SCORE		PINION % SCORE	
	Drive Side	Coast Side	Drive Side	Coast Side
Break-In				
1st Noise Check				
2nd Noise Check				
Sequence 3				
E.O.T.				

Fig. A 2.4 MEASUREMENT SUMMARY

L-42
FORM 4

DOWN TIME AND COMMENTS

LAB	STAND NO.
OIL CODE	STAND RUN NO.

Number of Downtime Occurrences			
Test Hours	Date	Downtime	Reasons
		Total Downtime	

Other Comments		
Number of Comment Lines		

Fig. A2.5 DOWN TIME AND COMMENTS